Dart Aerospace Ltd. Friday, 7/20/2007 10:19:49 AM User: « Kim Johnston **Process Sheet** : 02.250 SUPPORT : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer 33693 Job Number Estimate Number : D28911 Part Number P.O. Number · D2891 REV A1 **Drawing Number** : 7/20/2007 This Issue : N/A Project Number Prsht Rev. : PURCHASED PARTS **Drawing Revision** First Issue Material Previous Run 8/20/2007 Qty: 8 Um: Each **Due Date** Written By Checked & Approved By Added P/O KJ Comment **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: PURCHASING 1.0 PG Comment: PURCHASING C207/07/20 Issue P/O: Description: D6104-003 Material: 17-4 PH SS (AMS 5643 OR AISI 630) as per Dwg D6104 Material release note required. Blank size makes (2) D2891-1 17-4 SS Roundbar 3.25"OD D6104003 2.0 Comment: Qty.: 8.0000 Each(s) 1.0000 Each(s)/Unit Total: Support 2.25 dia PACKAGING RESOURCE #1 3.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Recieive & Inspect for Transit Damage Ensure Material Release Note is attached MORI SEIKI MORI SEIKI ONC LATHE LARG 4.0 . Comment: MORI SEIKI LATHE Turn blank for Haas as per Folio FA046 INSPECT ALL DIM TO DIM SHEET 5.0 QC1

Page 1

Comment: INSPECT ALL DIM TO DIM SHEET

## **Dart Aerospace Ltd**

W/O:	-	WORK ORDER CHANGI	ES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							:
* ·							
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQA	\: <u>\</u>	Date: _	<u> M0813</u> 0
				N/C Closes	1.	Data	

NCR:		g. <b>\</b>	NORK ORE	DER NON-CONFORMAN	R NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B	Verification	Annroval	Annroyal				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto			
		A STATE OF THE STA									
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NOTE: Date & initial all entries

Friday, 7/20/2007 10:19:49 AM Date: User: Kim Johnston **Process Sheet** Drawing Name: 02.250 SUPPORT Customer: CU-DAR001 Dart Helicopters Services Job Number: 33693 Part Number: D28911 Job Number: Description: Seq. #: Machine Or Operation: HAAS CNC VERTICAL MACHINING #1 6.0 HAAS1 Comment: HAAS Machine as per Folio FA046 8 Tumble & Deburr INSPECT PARTS AS THEY COME OFF MACHINE 7.0 QC2 Comment: INSPECT PARTS AS THEY COME OFF MACHINE SECOND CHECK 8.0 QC8 Comment: SECOND CHECK POWDER COATING 9.0 POWDER COATING 105068 Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.2) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL 10.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 PACKAGING 1 11.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 12.0 FINAL INSPECTIONW/O RELEASE QC21 Comment: FINAL INSPECTION/W/O RELEASE 1 0408/30 Job Completion

## Dart Aerospace Ltd

W/O:		F L		WORK OF	RDER CHANG	GES				
DATE	STEP		PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No			PAR #:	Fault Category:		NCR: Yes	No <b>DQ</b>	A:	Date: _	

QA: N/C Closed: \_\_\_\_ Date: \_\_\_

NCR:		W	ORK ORDE	R NON-CONFORMAN	CE (NCR)							
		Description of NC		Corrective Action Section E	3	Verification	Annroyal	Annroyal				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto				
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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	33693
Description: Ø2.250 Support	Part Number:	D2891-1
Inspection Dwg: D2891 Rev. A1		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2891 Rev.A1/DSK076 Rev.A and record below:

				gitted off mopo	T	corded Actu	ıal Dimensi	ons		
Di	m	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
-					Lathe	e Section				
	X T	2.274	2.279		0.277	2.276	2.278	2.278		
E		3.702	3.722		3.711	3.711	37712	3.714		
	5	2.564	2.584		2.575	2.573	2.573	D.5/3		
<b>→</b> [	5	0.718	0.738		729	729	,728	,730		
+ E	=	0.090	0.110		101	102	.101	,101		
• F	=	2.464	2.484		2.473	2.473	2.473	2.473		
+ 0	3	2.029	2.049		2.037		2.037	2.037		
+	1	2.964	2.984		2.973		2.977	8.970		
T I		0.913	0.933		1928	. 929	929	929		
	J	0.022	0.042		.032	.032	.032	.032		
K	₹ <b> </b>	0.090	0.110		100	,100	. 100	100		
	_ ]									
					HAAS	S Section				
A	A	0.188	0.193	DT8706	.188	.184	. १४४	. 188		
Α		0.240	0.260		-257	.257	- 257	. 257		
Α		0.115	0.150		.145	1145	1145	-145		
Α		0.040	0.060		4 & S.O	~ ಆ೯೦	-050	.050		
Α	Ē	0.010	0.020		.015	1015	-015	-015		
A		0.240	0.260		. 250	. 250	.250	.250		
A	G	0.290	0.310		1300	.300	-300	300		
Α	Н	0.115	0.150		1.35	.135	135	- 135		
Α	VI T	0.454	0.474		.470	-470	-470	1470		
A	J	2.779	2.789		.S-382	2.785	7.785	7.785		
Α	K	0.240	0.260		. 258	. 258	.258	.258		
Α	L	1.002	1.042		1.040	1.0540	1-040	1-040		
A	М	0.053	0.073		.063	.663	-063	-v 63		
Α	N	0.257	0.262	DT8683	- 257	-257	.757	. 257		
A	0	1.663	1.683		1-673	1.673	1.673	1.673		
Α		0.053	0.073		.063	.663	-063	-063		
A	Q	0.022	0.042		10.32	1032	-032	5800		
Α										
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Measured by: XF 1, 36	Audited by
Date: 07/08/07	Date: 61.08.22
24.0.	

Rev	Date	Change	Revised by	Approved
A	02.12.12	New Issue	KJ/RF	#

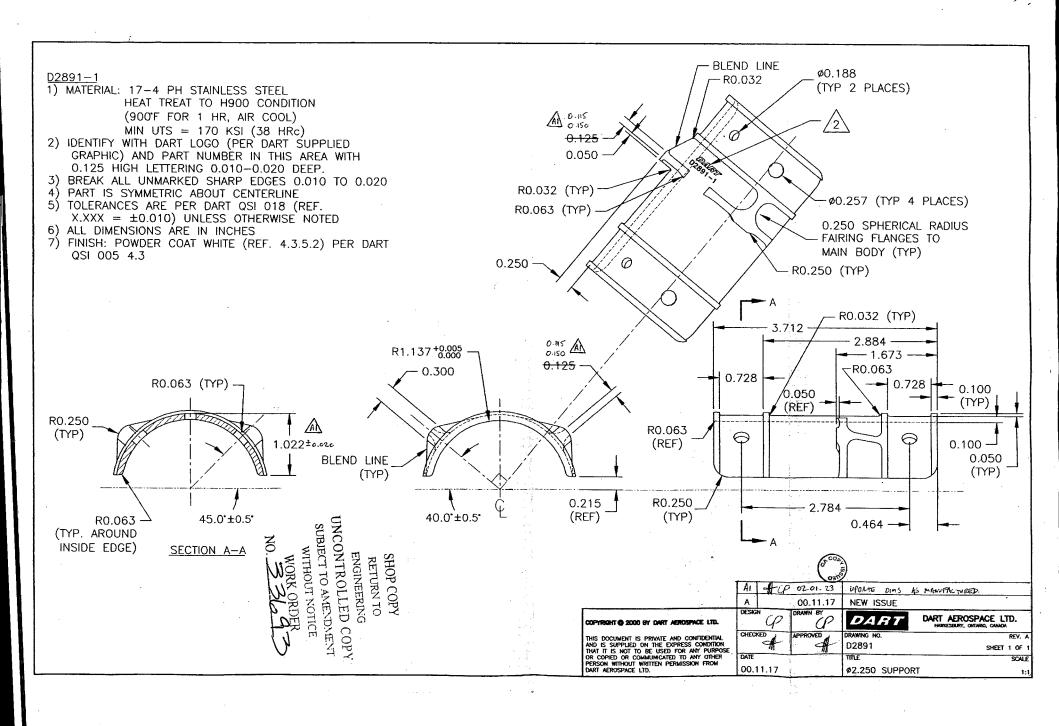
DART AEROSPACE LTD	Work Order:	33693
Description: Ø2.250 Support	Part Number:	D2891-1
Inspection Dwg: D2891 Rev. A1		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2891 Rev.A1/DSK076 Rev.A and record below:

				Re	corded Actu	ıal Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	5 *	63	73	<b>₹</b> *	Ву	Date
	L			Lath	Section				
A	2.274	2.279		2.278	2.277	2.278	2.276		
В	3.702	3.722		3.711	3.712	3.708	3.708		
c	2.564	2.584			2.574	2.574	2,574		
D	0.718	0.738		.727	728	.729	.728		
E	0.090	0.110	-	102	.102	102	102		
	2.464	2.484		2474	2.474	2.473	2474		
- G	2.029	2.049			20039	2.039	2.039		
· H	2.964	2.984		2.973	2.572	2.972	2974		
1	0.913	0.933		.929	930	. 928	,933		
_ J	0.022	0.042		.032	,032	,032	. 932		
K	0.090	0.110		100	100	100	,090		
L									
	L			HAAS	Section				
ĀĀ	0.188	0.193	DT8706	0.188	0.188	0.180	0.188		
AB	0.240	0.260		0.248		0.247	0.250		
AC	0.115	0.150		0.127	0.128	0.127	0.127		
AD	0.040	0.060		0.047	0.048		0.053		
AE	0.010	0.020		0.010	0.010	0.010	0.010		
AF	0.240	0.260		0.250	0.250	0.250	0.250		
AG	0.290	0.310		0.303	0.305	0.300	0.300		
AH	0.115	0.150		0.140	0.140	0.146	0.140	4	
Al	0.454	0.474		0464	0.461	0.456	0.454		
AJ	2.779	2.789		2.781	2,783	2,783	2.735		
AK	0.240	0.260		0.250	0.250	0.250	0.250		
AL	1.002	1.042		1.040	1.040	1.040	1. D40		
AM	0.053	0.073		0.043	0.063	0.063	0.063		
AN	0.257	0.262	DT8683	0.258	0.258	0.258	0.258		
AO	1.663	1.683		1. 675	1.675	1.475	1.675		
AP	0.053	0.073		0.063	0.063	0.063	0.063		
AQ	0.022	0.042	· · · · · · · · · · · · · · · · · · ·	0.032	0.032	0.032	6.632		
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Measured by: Q.F.	Audited by
Date: 07/05/07 07/08/23	Date:

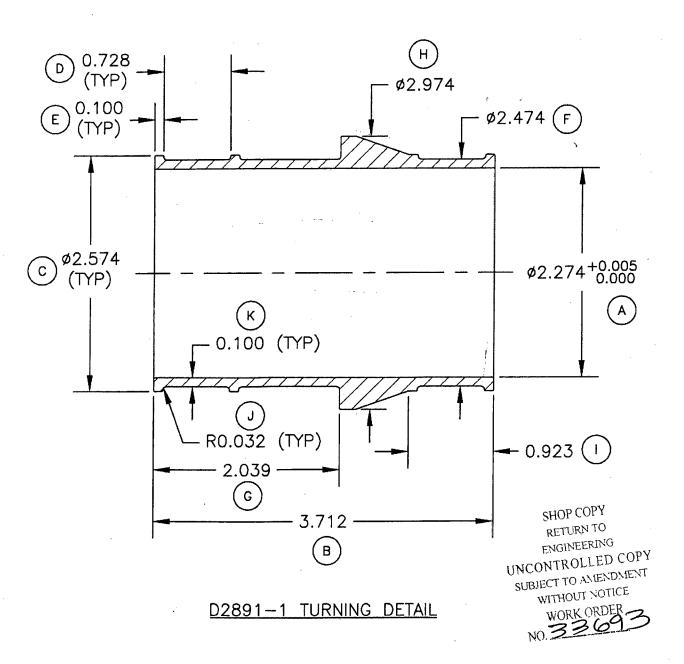
	Rev	Date	Change	 Revised by	Approved	
Ī	Α	02.12.12	New Issue	KJ/RF	#-	





DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
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9	a	DSK 076	SHEET 1 OF 1		
DATE		TITLE	SCALE		
03.05.20		TURNING DETAIL FOR D2891-1	1:1		
Α	03.05.20	NEW ISSUE			





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A Division of Courants Majoriage Con	NEW YORK 13201	CERTIFICATI	E OF TE	ST
A H CASTLE. INC	S S	A H CASTLE, INC		OUR ORDER NO.
3400 WOLF RD FRANKLIN PARK,	IL 60131 7	4501 BINGLE STREET HOUSTON. TX 77092	Ŏ.	DATE 3 04/30/04
CUSTOMEF ORDER # & DATE	CUSTOMER REQ. # DISTRICT	T	SHIPPED	
DESCRIPTION OF MATERIAL		B PARSONS	FROM	SYRACUSE
CRU 1:'CR 4NT RT 3174-10 REU 4 AMS-56430 (EX 9	ASHE-SA564-98ED TA	SIZE 3,250 RD 30 ASTH-A564-02 T630 UNS #S17400	<b>3</b>	· · · · · · · · · · · · · · · · · · ·
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MATERIAL FREE ROM MERCURY CO NO WELD REPAIR PERFORMED MATERIAL MELTE D IN U.S.A.	NTAMINATION AT TIME OF SHIPMENT MANUFACTURED BY THE	THANK YOU FOR SELEC EMPLOYEES OF CRUCIPLE	E SPECIALTY	HETALS JU
SWORN TO AND SUBSC		WITH ABOVE SPECIF SPECIFICATION REQUI CAUCIBL	. WAS MANUFACTURED A FICATIONS AND IS IN C REMENTS. E MATERIALS CORPOBATION OF AND THROUGH ITS REFE	AND TESTED IN ACCORDANCE CONFORMANCE WITH THOSE ON CHALTY METALS DIVISION
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JACKIE L WHITE - SPECIFICATION EXAMINER

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